CERTIFICATE OF MAILING



I hereby certify that this correspondence is being deposited with the United States Postal cryice with sufficient postage as First Class Mail in an Envelope addressed to: Mail Stop <u>Disclosure</u> commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on:

Date: Sept 13, 2006, 1

Winsome A. St. Rose

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Martin Dugas, et al.

) EXAMINER: Unassigned

SERIAL NO.: 10/575,600

) ART UNIT: Unassigned

PCT FILING DATE: NOVEMBER 4, 2004

) Confirmation No. N/A

FOR: METHOD FOR DISTINGUISHING

) DOCKET NO 22335-US

AML-SPECIFIC FLT3 LENGTH

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INFORMATION DISCLOSURE STATEMENT

Mail Stop Disclosure. Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Applicant submits herewith a Form-1449, in compliance with the duty of disclosure requirements of 37 C.F.R. §1.56, 1.97 and 1.98, listing accompanying documents that may be considered material to the examination of this application. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits, whichever event occurs last. No certification or fee is therefore required under 37 C.F.R. § 1.97(b). However, should the Commissioner determine that fees are due in order for the Information Disclosure Statement to be considered at this stage, the Commissioner is hereby authorized to charge any fee deficiency, or credit any overpayment, to Deposit Account No. 50-0812.

Applicants wish to provide the USPTO with an electronic copy of WO 03/039433A2, which is in excess of 2,900 pages.

2

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

Consideration of the cited documents and making the same of record in the prosecution of the above-identified application is respectfully requested.

Respectfully submitted,

Date: 1/12

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U.S. Department of Commerce Patent and Trademark Office				Atty.	Docket No. 22335-U	Serial No. 10/575,600					
LIST OF IN	NFOR	MATION CITED BY APPI	LICANT	Appli	cants: Martin Duga	s, et al.	[
Use several short of hecessary				International Filing Date: Nov 4, 2004				Group: N/A			
\		CUMENT NUMBER	U.S. PA	TENT 1	DOCUMENTS						
* EXAMINER INITIAL	1	EMENT NUMBER	ISSUE I		NAME	CLA	ASS	SUBCLASS		DATE OPRIATE	
	1	5,210,015	05/11/93		Gelfand, et al	43	35	6	08/0	06/90	
	2	5,445,934	08/29/95		Fodor, et al	43	35	6	09/30/92		
	3	5,487,972	01/30/96	.	Gelfand, et al	43	35	6 01/05)5/93	
,	4	5,700,637	12/23/97		E. Southern	43	35	6 04/19/		9/94	
	5	5,744,305	04/28/98		Fodor, et al	43	35	6 06/06/9		06/95	
. •	6	5,804,375	09/08/98		Gelfand, et al	43	35	6	04/2	04/25/95	
	7	5,945,334	08/31/99		Besemer, et al	43	35	287.2 06/07/		7/95	
	8	6,174,670 B1	01/16/01		Wittwer, et al	43	35	6	06/0)4/97	
	9	2003/0138793 A1	07/24/03		Su, et al	43	35	6	06/10/02		
						I.			J		
		F	OREIGN	PATE	NT DOCUMENTS						
		DOCUMENT NUMBER	PUBLICA DAT		COUNTRY	CLA	SS	SUBCLASS	TRANSI	LATION	
	10	0 373 203 B1	08/31/94		EP						
	11	0 619 321 B1	01/07/90		EP						
	12	1 043 676 A1	10/11/00		EP						
	13	1 109 020 A1	06/20/200)1	EP						
•	14	WO 92/02638	02/20/92		PCT						
	15	WO 03/039443 A2	05/15/03		PCT						
	16	WO 2005/04316 A3	05/12/05		PCT						
.,,	17	EP 2004/012470 Search Report	06/24/06		PCT						
	 	Scarcii Report									
	1	OTHER ART (In	cluding A	uthor	Title, Date, Pertin	ent Pag	os Et	c)			
	18	Alizadeh, A., et al., 1999, "T Gene Expression in Norma Biology, Volume LXIV, Co.	The Lymphol l and Malig	ochip: A nant Lyr	Specialized cDNA Minphocytes", Cold Spri	croarray ings Har	for the	Genomic-sca			
	19	Brown, M., et al, 2000, "Kn	Brown, M., et al, 2000, "Knowledge-based analysis of microarray gene expression data by using support vector machines, PNAS, 97(1):262-267								
	20	Deutsch, J., 2003, "Evolutionary algorithms for finding optimal gene sets in microarray prediction", <i>Bioinformatics</i> , 19(1):45-52									
	21	Dugas, M., et al., 2001, "A comprehensive leukemia database: integration of cytogenetics, molecular genetics and microarray data with clinical information, cytomorphology and immunophenotyping", <i>Leukemia</i> , 15:1805-1810									
	22	Dugas, M., et al., 2002, "Impact of Integrating Clinical and Genetic Information", In Silico Biology, 2:383-391									

Attorney Docket: 22335-US Serial No. 10/575,600

Page 2 of 2

SEP 1	5 200b	<u></u>						
\	1 23 1	hrey, T., et al., 2000, "Support vector machine classification and validation of cancer tissue samples using inicroarry expression data", <i>Bioinformatics</i> , 16(10):906-914						
A Tama								
	25	Haferlach, T., et al., "Abstract: The Diagnosis of 14 Specific Subtypes of Leukemia Is Possible Based on Gene Expression Profiles: A Study on 263 Patients with AML, ALL, CML, or CLL", Blood, 100, Abstract 523						
	26	Harlow, E., et al, 1988, "Antibodies A Laboratory Manual", Cold Spring Harbor Laboratory						
	27	Kiyoi, H., et al., 2002, "FLT3 in Human Hematologic Malignancies", Leukemia and Lymphoma, 43(8):1541-1547						
	28	256:495-497 Kohlmann, A., et al., 2002, "Abstract: A Simplified and Partially Automated target Preparation Method for Gene Expression Profiling", Blood, 100, Abstract 4287						
	29							
	30	Kottaridis K., et al., 2001, "Abstract: Changes in the pattern of FLT3 mutations between diagnosis and relapse restricts the potential use as markers of minimal residual disease in patients with acute myeloid leukaemia", <i>Blood</i> , 98(11-1):717a-718a						
	31	Lacayo, N., et al., 2002, "Abstract: Gene Expression Profiling of Pediatric Acute Myeloid Leukemia (AML) in De Novo and Relapsed Patients Reveals an Expression Signature That correlates with FLT3-Internal Tandem duplications (ITD), FLT3 Point Mutations, and KIT Point Mutations", Blood, 100, Abstract 310						
7	32	Liu, G., et al., 2003, "NetAffx: Affymetrix probesets and annotations", Nucleic Acids Research, 31(1):82-86						
-	Neben, K., et al., 2002, "Acute Myeloid Leukemia with Normal Karyotype and Mutation of the FLT3 or MLI Are Characterized by Specific Gene Expression Profiles", <i>Blood</i> , 100, Abstract 2172							
	34	Nigro, C., et al., 2001, "Internal Tandem Duplication and D385 Mutation Analysis of FLT3 Gene in AML Paties Blood, 98:11- Part 2, pp 190b						
	35 Schnittger, S., et al., 2002, "Networks of Molecular Mutations in Acute Myeloid Leukemia and Their Correlat cytogenetics and Morphology", <i>Blood</i> , 100, Abstract 735							
	36	Schnittger, S., et al., 2002, "Acute Myeloid Leukemia (AML) with FLT3-Length Mutations (FLT3-LM) Can Be Discriminated from AML without FLT3-LM in Distinct AML-Subtypes Based on Specific Gene Expression Profiles", <i>Blood</i> , 100, Abstract 1203 Storey, J., et al., 2003, "Statistical significance for genomewide studies," <i>PNAS</i> , 100(16):9440-9445						
	37							
EXAMINER		DATE CONSIDERED						
DAMMINEK .		DATE CONSIDERED						

*EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in

conformance and not considered. Include copy of this form with next communication to applicant.